U. S. Department of Agriculture, Forest Service

FOREST PRODUCTS LABORATORY

In cooperation with the University of Wisconsin

MADISON, WISCONSIN

List of Forest Service Publications

LOGGING, MANUFACTURE, DISTRIBUTION, AND USE OF TIMBER, LUMBER, AND OTHER WOODEN PRODUCTS

Prepared by
SECTION OF INDUSTRIAL INVESTIGATION

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LIST OF FOREST SERVICE PUBLICATIONS ON THE LOGGING, MANUFACTURE, DISTRIBUTION, AND USE OF TIMBER, LUMBER, AND OTHER WOODEN PRODUCTS (INCLUDING FABRICATED ARTICLES)

GENERAL ECONOMIC REPORTS

** History of the Lumber Industry in the State of New York. Fox, W.F. Forest Service Bulletin No. 34. 1902.

** Forestry and the Lumber Supply. Roosevelt, T. Forest Service Circular No. 25. 1903.

* National Forests and Lumber Supply. Sherrard, T.H. Department of Agriculture Yearbook Extract No. 434. 1906. 5 cents.

** Timber Supply of the United States. Kellogg, R.S. Forest Service Circular No. 97. 1907.

** The Waning Hardwood Supply. Hall, W.L. Forest Service Circular No. 116. 1907.

** Cutting Timber on the National Forests and Providing for a Future Supply. Zon, R. and Clapp, F.H. Department of Agriculture Yearbook Extract No. 466. 1907.

** The Conservation of Natural Resources. Pinchot, G. Department of Agriculture Farmer's Bulletin No. 327. 1908.

** Primer of Conservation. Cleveland, T. Forest Service Circular No. 157. 1908.

** Declaration of Governors for Conservation. Department of Agriculture Farmer's Bulletin No. 340. 1908.

** Timber Supply of the United States. Kellogg, R.S. Forest Service Circular No. 166. 1909.

* The Forests of the United States: Their Use. Price, O.W., Kellogg, R.S., and Cox, W.T. Forest Service Circular No. 171. 1909. 5 cents.

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** The Forest Resources of the World. Zon, R. Forest Service Bulletin No. 83. 1910.

* The Business Aspect of National Forest Timber Sales. Woodbury, T.D. Department of Agriculture Yearbook Extract No. 575. 1911. 5 cents.

** The Country's Forests. Miscellaneous Forest Service Circular. 1914.

** Our Timber Supply. Miscellaneous Forest Service Circular. 1914.

* Structural Timber in the United States. Betts, H.S. and Greeley, W.B. Proceedings of the International Engineering Congress. 1915.

** Some Public and Economic Aspects of the Lumber Industry. Greeley, W.B. Department of Agriculture, Office of the Secretary, Report No. 114. 1917.

* A National Lumber and Forest Policy. Graves, H.S. Department of Agriculture, Office of the Secretary. Circular No. 134, 1919. 5 cents.

* Lumber Export and Our Forests. Graves, H.S. Department of Agriculture, Office of the Secretary, Circular No. 140. 1919. 5 cents.

* A Policy of Forestry for the Nation. Graves, H.S. Department of Agriculture, Office of the Secretary, Circular No. 148. 1919. 5 cents.

* Timber Ownership and Lumber Production in the Inland Empire. Mason, D.T. 1920. Published by the Western Pine Manufacturers' Association, 510 Yeon Bldg., Portland, Oregon. 50 cents.

* Timber Depletion, Lumber Prices, Lumber Exports, and Concentration of Timber Ownership. Report on Senate Resolution No. 311. 1920. 25 cents.

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* Timber Depletion and the Answer. Department of Agriculture Circular No. 112. 1920. 5 cents.

* Wood for the Nation. Greeley, W.B. Department of Agriculture Yearbook Extract No. 835. 1920. 5 cents.

LOGGING

(Some data on logging are occasionally included in the species reports, see USES, Species Reports)

** Measuring the Forest Crop. Mlodziansky, A.K. Forest Service Bulletin No. 20. 1898.

* Woodsman's Handbook. Graves, H.S. Forest Service Bulletin No. 36. 1902. Revised 1903. Revised and enlarged by Graves, H.S. and Ziegler, E.A. 1910. 25 cents.

** Conservative Lumbering at Sewanee, Tennessee. Foley, John. Forest Service Bulletin No. 39. 1903.

* Terms Used in Forestry and Logging. Forest Service Bulletin No. 61. 1905. 5 cents.

* Waste in Logging Southern Yellow Pine. Peters, J.G. Department of Agriculture Yearbook Extract No. 398. 1905. 5 cents.

* Instructions for Appraising Stumpage on National Forests. Miscellaneous Forest Service Bulletin. 1914. Revised April, 1922. 10 cents.

* Cost of Logging Small Timber. Ashe, W.W. Southern Lumberman, October 31, 1914.

** Trail Construction on the National Forests. Miscellaneous Forest Service Bulletin. 0-6. 1915.

* Cost of Logging Large and Small Timber. Ashe, W.W. Forestry Quarterly, Vol. XIV, No. 3, September, 1916, p. 441.

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** Instructions for the Scaling and Measurement of National Forest Timber. Miscellaneous Forest Service Bulletin. 1915. Revised 1916.

* New Methods of Making Topographic Surveys of Timbered Areas. Bonner, J.H. and Bonner, F.E. Forestry Kaimin, Vol. 2, University of Montana, Missoula, Montana. 1916.

* Deductions for Defects in Log Scaling. Compiled by District One, Forest Service. Forestry Kaimin, Vol. 2, University of Montana, Missoula, Montana. 1916.

** Instructions for Making Timber Surveys in the National Forests. Miscellaneous Forest Service Bulletin. 1917. (Revision of, Instructions for Making Forest Surveys and Maps. 1905. Revised 1907, 1910, and 1912.)

** First Aid Manual for Field Parties. Barker, H.W. Miscellaneous Forest Service Bulletin. 1917.

* Use Book, A Manual of Information about the National Forests. Department of Agriculture Miscellaneous Bulletin F-3. 1918. 6th Revised Edition. 15 cents.

* Logging in the Douglas Fir Region. Gibbons, W.H. Department of Agriculture Bulletin No. 711. 1918. 30 cents.

* Early History and Development of Log Scaling Practice. Knout, C.E. West Coast Lumberman, July 15 and August 1, 1919.

Preventing Damage to Logs in Storage. Forest Products Laboratory Technical Note No. A-4. 1919.

Effect of Time of Cutting Timber on Its Durability. Forest Products Laboratory Technical Note No. F-15. 1919.

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* Handbook for Campers in the National Forests in California. Department of Agriculture Circular No. 185. 1921. 5 cents.

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* Accounting, Sawmill Cost. Oakleaf, H.B. West Coast Lumberman, October 15, 1915. p. 24.

** California, Yields and Returns of Blue gum in. Woodbury, T.D. Forest Service Circular No. 210. 1912.

** California, Lumbering in the Sugar and Yellow Pine Region of. Berry, S. Department of Agriculture Bulletin No. 440. 1917.

** California Pine, Fir and Cedar, A study of the Grades of Lumber Produced from. Berry, S. The Timberman, April, 1918. p. 39.

* Douglas Fir Region, Lumber Manufacture in the. Oakleaf, H.B. Pts. 1-25. Lumber, Vol 66. Feb. 16 - April 19, May 3 - Aug. 30, 1920. Also published in book form by the Commercial Journal Co., 1020 So. Wabash Ave., Chicago, Illinois. $2.50.

* Flumes and Fluming. Bruce, E.S. Department of Agriculture Bulletin No. 87. 1914. 10 cents.

* Grades and Amount of Lumber Sawed from Yellow Poplar, Yellow Birch, Sugar Maple and Beech. Braniff, E.A. Forest Service Bulletin No. 73. 1906. 10 cents.

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* Sawmills, Small. Seerey, D.F. Department of Agriculture Bulletin No. 718. 1918. 10 cents.

** Sawmills, Directory of American, Nellis, J.C. (In Cooperation with the Department of Commerce, Bureau of Foreign and Domestic Commerce). Cooperator's Report Miscellaneous Series, No. 27. 1915.

** Statistics, Sawmill. Forest Service Circular No. 107. 1907.

** Timber Values, The Determination of. Braniff, E.A. Department of Agriculture Yearbook Extract No. 359. 1904.

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* Timber, an Elementary Discussion of the Characteristics and Properties of Wood. Roth, F. Forest Service Bulletin No. 10. 1895. 10 cents.

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* Check List of the Forest Trees of the United States. Sudworth, G.B. Forest Service Bulletin No. 17. 1898. 15 cents.

* Guidebook for the Identification of Woods Used For Ties and Timbers. Koehler, A. Forest Service Miscellaneous Bulletin RL-1. 1917. 30 cents.

* Wholesale Distribution, The Distribution of Softwood Lumber in the Middle West. Butler, O.M. Department of Agriculture, Office of the Secretary Report No. 115. 1917. 20 cents.

* Retail Distribution, The Distribution of Softwood Lumber in the Middle West. Butler, O.M. Department of Agriculture, Office of the Secretary Report No. 116. 1918. 15 cents.

Standard Terms for Describing Wood. Forest Products Laboratory Mimeograph No. 476. 1919.

Average Weights of Various Species of Wood. Forest Products Laboratory Technical Note. No. B-15. 1919.

How to Retain Bark on Logs Used in Rustic Construction. Forest Products Laboratory Technical Note No. F-28. 1919.

* Mahogany, Certain So-called Mahoganies, and Some Common Substitutes, The Identification of True. Koehler, A. Department of Agriculture Bulletin No. 1050. 1922. 10 cents.

<u>Marketing Suggestions</u>
(See also USES)

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* Cooperative Marketing of Woodland Products. Hawes, A.F. Department of Agriculture, Farmer's Bulletin No. 1100. 1920. 5 cents.

* Forestry and Farm Income. Mattoon, W.R. Department of Agriculture, Farmer's Bulletin 1117. 1920. 5 cents.

* Measuring and Marketing Farm Timbers. Mattoon, W.R. and Barrows, W.B. Department of Agriculture, Farmer's Bulletin No. 1210. 1921. (Revision of Farmer's Bulletin No. 715, Measuring and Marketing Woodlot Products. 1916). 5 cents.

* Georgia, Marketing Farm Woodland Products in. Lamb, G.N. Bulletin No. 129. Georgia State College of Agriculture, Athens, Georgia. 1917.

* (Kentucky) Marketingof Woodlot Products. Sterrett, W.D. Second Biennial Report of the State Forester, Frankfort, Kentucky. 1915.

* (Indiana) Farm Woodlot Timber: Its Uses and Principal Markets. Lamb, G.N. Extension Bulletin No. 51, Purdue University, La Fayette, Indiana. 1916.

* Maine, Marketing Farm Woodlot Products in. Lamb, G.N. Extension Bulletin No. 113, University of Maine, Orono, Maine. 1917.

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* Missouri, Marketing Woodlot Products in. Lamb, G.N. Reprinted by the Journal of Agriculture. St. Louis, Missouri. 1917-18.

* South Carolina, Marketing Farm Timber in. Lamb, G.N. Bulletin, Clemson Agricultural College, Clemson College, South Carolina. 1918.

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* Tennessee, Marketing Woodlot Products in. Sterrett, W.D. Vol. VII, No. 3 of the "Resources of Tennessee," State Geological Survey, Nashville, Tennessee. 1917.

* (Wisconsin) Suggestions for Marketing Small Timber. MacKaye, B. Bulletin No. 4, State Conservation Commission, Madison, Wisconsin. 1918.

So-Called Defects and Blemishes

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Color of Cypress Heartwood no Indication of Durability. Forest Products Laboratory Technical Note No. 113. 1920.

* Compression Failures as Defects. Markwardt. L.J. Hardwood Record, October 25, 1914.

"Compression" Wood and Failure of Factory Roof-Beam. Heck, G.E. Engineering News Record, September 11, 1919.

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** Flecks in Wood. Brown, H.P. Forest Service Circular No. 215. 1913.

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* "Grain" and "Texture" with Respect to Wood, A Plea for the Closer Discrimination in the Use of the Words, Koehler, A. Hardwood Record, February 25, 1917.

Grain of the Wood with Special Reference to the Direction of the Fibers, The. Koehler, A. Aerial Age Weekly, August 12; West Coast Lumberman, July 15; and Scientific American Supplement, September, 7, 1918.

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* Grain on the Strength of Wood, Effect of Spiral. Wilson, T.R.C. Journal of Forestry, November, 1921

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* Pitch Pockets and Their Relation to the Inspection of Airplane Parts. Watkins, J.R. Journal of the Franklin Institute, August 1919.

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Stain on Hardwood, The Yellow. Forest Products Laboratory Technical Note No. 166. 1922.

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Sunken Joints in Furniture Panels. Forest Products Laboratory Technical Note No. 139. 1921.

Grades and Specifications

** Rules and Specifications for the Grading of Lumber. Hodson, E.R. Forest Service Bulletin No. 71. 1906.

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* Applicability of Yellow Pine Grading Rules to Other Timbers. Newlin, J.A. Engineering Record, October 3, 1914.

Grading Rules of Yellow Pine Structural Timber Discussed. Betts, H.S. American Lumberman, April 24, 1915.

* Discussion of Proposed Forest Service Rules for Grading the Strength of Southern Pine Structural Timber. Betts, H.S. Proceedings of the Eighteenth Annual Meeting of the American Society for Testing Materials, June 26, 1915.

* Southern Yellow Pine Timber and Density Grading Rules. Swan, O.T. Proceedings of the Eighteenth Annual Meeting of the American Society for Testing Materials. June 26, 1915.

* Density Rules and Their Application to Timbers: A summary of What has Been Accomplished in Formulating a New Standard Specification for Yellow Pine Structural Material. Swan, O.T. Lumber World Review, July 10, 1915.

* The Need of a Quality Classification for Douglas Fir. Newlin, J.A. Proceedings of the 19th Annual Meeting of the American Society for Testing Materials, June 27, 1916.

* How Lumber is Graded. Betts, H.S. Department of Agriculture Circular No. 64. 1920. 10 cents.

Grading Rules and Working Stresses for Structural Timbers. Wilson, T.R.C. Forest Products Laboratory Mimeograph No. 229, 1920.

Standardization

* Standardization of Lumber Sizes and Grades. White, David,G. Journal of Forestry. January 1921.

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* The Need for Lumber Standardization. White, David G. American Builder, March and April, 1922.

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* Progress Towards Lumber Standardization. Upson, A.T. Southern Lumberman, April 15, and Proceedings of the Fourth American Lumber Congress, 1922.

USES

General Reports

(See also DISTRIBUTION, General Marketing Information and Marketing Suggestions)

** A Descriptive Catalogue of Manufactures from Native Woods, as Shown in the Exhibit of the United States Department of Agriculture at the World's Industrial and Cotton Exposition at New Orleans, Louisiana. Dodge, C.R. Department of Agriculture Special Report No. 10. 1886

** Uses of Wood, Roth, F. Department of Agriculture Yearbook Extract No. 79. 1896.

* Trees Important in Forestry, Sudworth, G.B. Department of Agriculture Yearbook Extract No. 112. 1897. 60 cents.

** Use of Dead Timber in the National Forests. Hodson, E.R. Forest Service Circular No. 113. 1907.

** Commercial Importance of the White Mountain Forests. Ayers, P.W. Forest Service Circular No. 168. 1909.

* Household Uses for Wood. Knapp, J.B. American Lumberman, May 22, 1915, p. 47

* The Structure of Wood and Some of Its Properties and Uses. Gerry, E. Bulletin No. 1, Northern Hemlock and Hardwood Manufacturers' Association, Oshkosh, Wisconsin. January, 1916.

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* Materials for the Household. (Contains Chapter on Wood by A. Koehler). Department of Commerce, Bureau of Standards Circular No. 70. 1917. 25 cents.

** The Substitution of Other Material for Wood. Thelen, R. Department of Agriculture, Office of the Secretary Report No. 117. 1917.

* The Status and Value of Farm Woodlots in the Eastern United States. Frothingham, E.H. Department of Agriculture Bulletin No. 481, pp. 34-37. 1917. 15 cents.

* Lumber Used in the Manufacture of Wooden Products. Nellis, J.C. Department of Agriculture Bulletin No. 605. 1918. 5 cents.

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* Commercial Woods of the Pacific Coast. Gould, C.W. The Timberman, February, 1920.

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(See also USES, State Wood-Using Industry Reports for uses of woods)

* Acacias, An Economic Study of. Shinn, C.H. Department of Agriculture Bulletin No. 9. 1913. 10 cents.

** Alder, Red. Forest Service Silvical Leaflet No. 53, p.3 1912.

** Ash, Green. Forest Service Circular No. 92, p. 2. 1907.

** Ash, White. Forest Service Circular No. 84, p. 3. 1907

* Ash, Utilization of. Sterrett, W.D. Department of Agriculture Bulletin No. 523. 1917. 15 cents.

* Australasia, The Important Piling Timbers of. Armstrong, A.K. Engineering, November 17, 1916.

** Basswood. Forest Service Circular No. 63. p. 2. 1907.

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* Beech, Birches, Maples, Uses of Commercial Woods of the United States. Maxwell, H. Department of Agriculture Bulletin No. 12. 1913. 10 cents

* Boxelder, Forest Service Circular No. 86, p. 2, 1907-9. (2 editions) 5 cents.

** Catalpa, The Hardy. Hall, W.L. and Schrenk, H. Von Forest Service Bulletin No. 37. 1902. pp 12, 24, 32, and 44.

* Cedar, Incense. Mitchell, J.A. Department of Agriculture Bulletin No. 604. 1918. 10 cents. pp. 1-10.

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** Cedar, Notes on the Red. Mohr, C. Forest Service Bulletin No. 31, pp. 15-16 1901.

* Cedar, Western Red, in the Pacific Northwest, Knapp, J.B. and Jackson, A.G. West Coast Lumberman, February and March 1, 1914.

** Cedars, Cypresses and Sequoias, Uses of the Commercial Woods of the United States. Hall, W.L. and Maxwell, H. Forest Service Bulletin No. 95. 1911.

* Chaparral. Plummer, F.G. Forest Service Bulletin No. 85, pp. 37-38. 1911. 15 cents.

** Cherry, Red. Forest Service Circular No. 94. p.2. 1907.

** Chestnut. Forest Service Circular No. 71, p. 2. 1907

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* Chestnut in Tennessee. Ashe, W.W. Bulletin No. 10-B, Tennessee Geological Survey, Nashville, Tennessee. 1912

* Chestnut Timber Killed by the Bark Disease, Uses for. Nellis, J.C. Department of Agriculture, Farmer's Bulletin No. 582. 1914. 5 cents.

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* Douglas Fir, Fire-Killed: A study of its Rate of Deterioration, Usability, and Strength. Knapp, J.B. Forest Service Bulletin No. 112, 1912. 10 cents. p. 8

** Elm, Slippery. Forest Service Circular No. 85, p2. 1907.

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* Eucalyptus Suitable for Lumber, Is? Tiemann, H.D. Proceedings of the Society of American Foresters, Oct.,1913.

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** Hemlock, The Eastern. Frothingham, E.H. Department of Agriculture Bulletin No. 152, pp. 7-15. 1915.

** Hemlock, Western, Allen E.T. Forest Service Bulletin No. 33, pp. 23-24. 1902.

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** Hickory, Manufacture and Utilization of. Hatch, C.F. Forest Service Circular No. 187, 1911.

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* Juniper, Utah, in Central Arizona. Phillips, F.J. and Mulford, W. Forest Service Circular No. 197, p. 18. 1912. 5 cents.

* Larch, Western. Knowlton, H.N. Forestry Kaimin, Vol. 3, University of Montana, Missoula, Montana. 1917.

** Locust, Black. Forest Service Circular No. 64, p. 2. 1907.

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** Mahogany, Colombian. Sudworth, G.B. and Mell, C.D. Forest Service Circular No. 185, pp. 3-4. 1911.

* Mahogany, True. Mell, C.D. Department of Agriculture Bulletin No. 474, p. 9. 1917. 5 cents.

** Maple, Silver. Forest Service Circular No. 76, p. 2. 1907.

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* Oak, California Tanbark. Jepson, W.L. Forest Service Bulletin No. 75. 1911. 15 cents.

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Oak for Other Woods, Substitution of. White, David G. Hardwood Record, August 10, and Southern Lumberman, July 23, 1921.

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The Forest Service has completed studies of wood-using industries in a number of states. The reports, primarily of local interest, have been printed by some Department of the Government of the State interested, or by a periodical devoted to the interest of lumbering and conservation. Bulletins at present available may be obtained from the cooperator whose address is given. In ordering those for which there is no charge, postage should accompany the application.

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*	Texas	- Maxwell, Hu and Hatch, C.F. Lumber Trade Journal, New Orleans, Louisiana. 25 cents.
*	Vermont	- Maxwell, Hu. 1913. State Forester, Montpelier, Vermont.
*	Virginia	- Simmons, R.E. 1912. Commissioner of Agriculture, Richmond, Virginia.
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